

THE OREGON TUALATIN VALLEY AMATEUR RADIO CLUB NEWSLETTER

CLUB CONTEST APRIL 9 - DETAILS INSIDE

SPOTLIGHT ON A HAM

BY LORNA, KA7RFD



Janet Bell, WB7FJC, first became interested in morse code when earning a merit badge for Girl Scouts. At that time she also bought a book on radio theory but decided, after one glance, that was not for her at that time. So it wasn't until 1976 that Janet obtained her Technician license.

Born in New Jersey, Janet lived in California for 26 years before coming to Oregon. While conversing on 2-meters during the drive up to the Portland area, Janet heard about OTUARC and promptly joined. She is the senior lady licensed member of the club, only Katy, N7GCL, having joined before her, but Katy then didn't have her license.

Janet also remarks that at that time, 1978, although there were certainly others licensed, she and Cheryl Justice, WA7UMM, were the only ladies ever heard on 2-meters in the area.

Janet enjoys the public service part of ham radio and building equipment. As a kid she says she loved to take

things apart which she couldn't get back together. Now it's a different story and she has even assisted in building a Heathkit 736.

Employed as a secretary for the Unified Sewerage Agency at the Court House in Hillsboro, Janet also serves as an officer for the Washington County Federal Credit Union. She enjoys reading and studying languages but her main hobby is her volunteer work for the Civil Air Patrol.

CAP is the non-profit civilian auxiliary arm of the Air Force. For the past three years, Janet has served as the Public Affairs Officer for the local squadron based in Hillsboro. Recently she says she "has been pushed upstairs" and is now the Deputy Commander for Senior Members of her squadron.

The Civil Air Patrol assists in the search for downed aircraft, primarily for civil aircraft, but also for military aircraft when a full scale search is called. Part of the program assists in training cadets for this operation together with first aid training and they even go out to look for lost hikers or hunters.

Other members of OTUARC who belong to the same squadron as Janet include Willis, N7DZR, Geno, KA7KBH, Roy, N7DUJ, Don, WA7TEM, Ron, KA7SIK, Rick, KA5OLH, Joan, KA7VXC and Steve, WA7ZCL. The group meets one weekend per month to prepare and practice for disaster relief and, of course, are always on call.

Janet is divorced and has three children. Mike is a fireman in California. Daughter, Jana, who is a rape victim advocate, lives in this area and Doug, who lives at home, has taken over Janet's position as Public Affairs Officer with the CAP.

Jana at the present time has a Japanese exchange student living with her who Janet considers a granddaughter and is hoping will be able to come back to live in Oregon next school year.

Keep up the good work, Janet.



JANET
BELL
WB7FJC

LORNA'S LOOKOUT

AN EDITORIAL BY LORNA, KA7RFD

You nearly didn't get a Newsletter this month. When I should have been typing, I was playing on 10-meters the first night that Novices and Technicians had that privilege.



I had rushed home from work and tuned in the rig--"CQ World, CQ World, here's KA7RFD". Silence. That was disappointing - I had expected a QSO at least with Australia. Pretty soon I heard something and there it was, my first contact

on 10 meters with --Aloha!!

Later in the evening things livened up. John, NB7W, in his usual way of assisting newcomers, had a welcoming committee in progress. Among the group was Larry, KC7QU, Don, W7HPI, John, WA7CZA, Jeff, K7JF and Geno, KA7KBH. It was a fun-filled evening, yet very informative. Many comments were made about the fun and the incentive this was giving to some of us to try harder to get our next license.

For those of you who already have your General license or above, bear with us for a while. The program in April will be about Novice Enhancement, but ARRG will also give information about their repeaters.

Randy, KA7HJT, has also submitted an article about saving your licensing documents as Novices and Technicians are "grandfathered" into the new bands and Alan, K07B, has kindly given us a rundown on the 10-10 awards, which I hope all the newcomers to 10-meters will enjoy.

The annual April Fool's contest has been moved from 15-meter CW to the 10-meters Novice/Tech SSB subband. Details in this issue.

Thanks for all your help, guys. Back to listening for Australia. What did NB7W tell me - two years before the 10-meter band opens up???

APRIL PROGRAM

BY ROGER, K7RXV

The April meeting program will be a presentation by ARRG, the owners of the 147.32, 147.04 2-meter repeaters and the 449.225 and 449.325 450 repeaters. The topic of their presentation will be "The Status of ARRG repeaters and Novice Enhancement". Included in this will be the announcement of several new repeaters.

There will be information included for Novices on the use of the new 220 MHz privileges so please invite any Novices that you know to the meeting.

GRANDFATHERING - HANG ON TO YOUR DOCUMENTS



Novice Enhancement comes with a "grandfather clause". Anyone who took the "old" 20-question Novice exam prior to March 21, 1987 will automatically receive the expanded Novice operating privileges without taking additional tests. Likewise, exiting Technicians will be "grandfathered" into the new 10-meter Novice privileges.

Candidates who took an Element 3 written exam for the Technician license in the few weeks prior to March 21 are in a special situation. If you took the old 50-questions Element 3 written exam, but because of processing time your new Technician ticket was or will be issued after March 21, it will convey credit for the 25-question Element 3A exam only. Likewise, currently licensed Technicians who renew after March 21 will not be able to get full credit based on their latest license alone. Don't panic - there is a solution.

Whenever you take a test, keep a copy of your form 610 and the original Certificate of Successful Completion issued by your Volunteer Examiners. Also keep all of your original licenses. An original Technician license of Element 3-credited Certificate valid before March 21, 1987 indicates credit for full 50-question Element 3 exam, even if the certificate's one year lifespan has expired.

(Extracted from an article in QST, April, 1987 reprinted in the ARRL publication "Novice Enhancement Supplement" by Randy, KA7HJT.)

SPECIAL NOTICE

Included in this month's Newsletter is a report by the Field Day Site Committee.

As required by the membership at its September, 1986 regular meeting, the committee was to report its findings in April, 1987.

The membership is hereby notified that we will DISCUSS and VOTE on the committee's report at the MAY regular club meeting.



HOW DO YOU LIKE THEM APPLES JEFF, K7JF

As you can see, the type and layout of the following pages differs from what we have been used to over the past eleven Newsletter issues.

We have received many favorable comments regarding the format of the "new" newsletter; most of them very positive, thank you. The one thorn in our sides, however, has been the type style used in our computer program "The Newsroom" by Springboard Software.

If you can believe it, "Newsroom" is the current state-of-the-art publishing program for the Apple IIe. Granted, it is marvelous for graphics and page layouts, but is miserable to read! Lorna and I refuse to succumb to a "plain old typewriter."

In our continuing search for new programs we decided to try out an old friend, "AppleWorks" by Apple Computer along with "MacroWorks" by Beagle Brothers. AppleWorks acts as our word processor (complete with spelling checker) while MacroWorks formats the page with columns.

The "near letter quality" printing seen here is done on an IBM ddotprinter. I think it is much more readable than the Newsroom program -- what do you think?

An obvious downfall of this new format is the lack of graphics. If you ever have the chance to see other clubs' newsletters, you will see ours is unique in its presentation. If you like the layout (sans graphics) and print type shown here, we would be delighted to attempt to re-format the program to accommodate graphics from our various sources. Or do you like the pages laid out without graphics?

The key to this exercise is your input. We REALLY DO need to hear from you on this matter. As members, you are certainly entitled to the best possible newsletter that we can publish. Since Lorna and I use Apple IIe computers, the choice for us is simple based upon the availability of programs.

We know of no other desktop publishing programs currently available for the Apple IIe. There are several outstanding IBM programs out there and I have an excellent publishing program for the Macintosh. Both sides of this month's contest insert were done on the Macintosh.

May we please hear from you on this new format? Many thanks.

MEMBERS CELEBRATE APRIL BIRTHDAYS

Congratulations to the following members who are celebrating their birthdays this month:

George Gale	KD7GJ	April	2
Don Berger	W7HPI		3
Gary Clifton	KA7LCO		3
Ken Moore	KA7WDV		4
Randy Stevens	KA7TDZ		7
Bill Walker	KA7ZCE		9
Don Hillgaertner	WA7TEM		10
Doc McLendon	W7GWC		11
Cyrus Righter	KA7NYY		12
Grant Wilson	KA7RNM		12
Ron Remsen	W7YOW		16
Wes Allen	K7WWG		18
Alec Karty	KOEKP		20
Warren Knight	N7BIJ		25
Howard Wahl	KA7HMZ		25
Mark Walker	W7CLU		27
Girard Baker	K7RYH		29

HEARD AROUND THE CLUB BY LORNA, KA7RFD

Congratulations to Al Berg, WB7SIC, Ron Mayer, K7BT, Greg Milnes, W7AGG and Bob Orr, KB7CC on their appointment as Assistant Directors to the ARRL. Also appointed was Lynn Hurd, WB7UNU to the VHF/UHF Advisory Committee by Northwest Division Director Rush Drake, W7RM.

Our best wishes for a speedy recovery go to Bill Sykes, W7FYY.

Colleen, KA7MDC is looking for a female roommate to share a room at the EconoLodge for Sea-Pac weekend. Colleen has the room booked for both Friday and Saturday nights. If you know of anyone also looking for accommodation, please call Colleen at 649-1022.

EQUIPMENT FOR SALE

Heath HA-10 kilowatt amplifier for 80-10 meters. Includes new set of finals (four 811-A). \$225. Ten-Tec Triton I solid state 80-10 meter SSB/CW (full break in) transceiver with matching power supply. \$175. Call Jeff, KQ7I 228-4307 days or 245-6303 evenings.

Kenwood TS-520 80-10 meter SSB/CW transceiver. AC/DC power supply built in. Easy to operate. \$350 or make offer. Old Hallicrafters four band receiver. Make offer. Radio Shack modem for TRS-80 computer. Never used. Make offer. Call Janet, WB7FJC 648-8621 days.

Drake T4XB all-band transmitter with AC4 power supply. Drake R4B receiver with MS4 speaker and FS4 synthesizer. Complete with cables. \$400. Call Roger, K7RXV 642-1419.

TEN-TEN UPDATE BY ALAN, K07B

It has been quite awhile since there has been any information here about the Ten-Ten group.

For those of you who are not familiar with Ten-Ten (10-X) International, it is a group of people who enjoy using the ten meter band. To become a member, you must collect Ten-Ten member numbers (over the air, on the ten meter band) from ten members. Send your list (along with a check for \$5.00) to Willie Madison, WB7VZI, 10512 W. Butler Drive, Peoria, Arizona 85345.

You will then be assigned your very own Ten-Ten number and start receiving the International organization's quarterly newsletter. Your number is permanent; regardless of whether or not you renew your annual membership. If you do choose to renew your membership (a mere \$4.00 per year) you will continue to receive the newsletter.

If you think it might be difficult finding the necessary ten members to qualify for membership, just tune to 28.600 (or 28.450) MHz any evening. Put out a call for Ten-Ten numbers and you will most likely get ten numbers before you can put your pencil down!

There are numerous local chapters associated with the Ten-Ten organization. The "City of Roses" chapter serves the Portland area. The chapter holds a weekly net at 1700 UTC every Saturday morning on 28.825 MHz. The chapter head is Bill, ND7I (the relatively tiny tower just a few houses east of W7NI). The group gets together occasionally for breakfast and summer picnics. Stay tuned to 28.600 MHz for details.

There are alot of OTVARC members who frequently participate in Ten-Ten activities including KA7BSD, NI7E, N7EPE, W7ISP, K7JF, KA7KDB, WB7SIC AND KD7UZ.

With new Novice/Technician enhanced privileges, Ten-Ten is an excellent way to meet fellow hams, learn SSB techniques and join in on their world-wide activities.

CAMPERS CORNER BY TONY, KA7ZDE

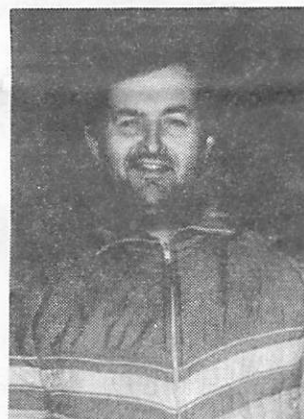
The April Campout will be held at Kah-Nee-Ta on the Warm Springs Reservation. Dates are April 17-19. More details at the April meeting along with information on camping reservations for Sea-Pac weekend.

NEW MEMBERS CORNER
BY KATHRYN, KA7UMB

Welcome to our new members who are:

Steven Stewart, WA7ZCL a Technician class licensee. Steve is one of those "rare" native Oregonians. He is a self-employed electronic technician. Steve is also busy as a sales rep for Amway and Amsoil (cleaning products, lubricants, filters, etc.) Interests include VHF/UHF, bicycle touring and riding his Honda 400A.

We also recognize Ben and Kari Bunch, N7BQN and KA7WFR who hold Advanced and Technician licenses respectively. Ben is a truck owner/operator with interests in SSB, RTTY, VHF/UHF and experimenting. Kari sells Tupperware and tends to their two children, Jessie and Josh. Ben and Kari are involved as ground crew members for hot air ballooning. They frequent the local ARES Net and ARRG repeaters and are well known for their good work on public service events.



STEVE STEWART, WA7ZCL



BEN AND KARI BUNCH, N7BQN/KA7WFR

THE PREZ SEZ

BY PAUL, WBSSHR

THE MESSAGE IS CLEAR. The majority of club members do not want club business conducted at the regular meetings unless it is absolutely

necessary. If issues are brought up, they are to be dealt with at board meetings. If you are a member and have an idea, suggestion, or

comment to make about the way the club is run, or should be run, bring it to the board meetings.

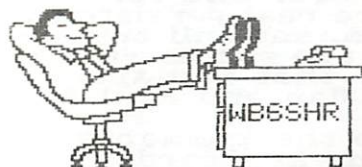
Club board meetings, open to all club members, are held on the first Wednesday of each month in the old Beaverton City Hall Southwest Hall and 5th. Meetings start at 7:30 pm and are usually over by ten o'clock.

The board does not plan to bring up any more business at regular club meetings. A few changes may be made to the By-Laws, but they will first be referred to the By-Laws committee who will then inform the membership in the newsletter of the proposed changes. These changes will be discussed and voted on at a special meeting. You will have plenty of time to evaluate and comment on such matters in the future.

Now that most of the concerns are settled over the life membership amendment, it is time to get on with other matters. A number of events are scheduled during April. There will be a 10 meter contest and a camping trip. We also have a number of people coming to project night to work on the 12 volt CW receiver. If you are interested in any of these activities, get hold of one of the committee people or officers. We will be more than happy to help you.

There will not be a club auction next month as indicated on the calendar. This has been rescheduled for August or September. The latest word is we will have a qualified auctioneer there to conduct business so all we have to do is set up the program and get it underway. If you would like to contribute your talents in setting up this project or working at the auction, contact one of the officers. We could use your help.

Sea-Pac is on the move. Plans for a club booth are underway. A number of good ideas are planned for it this year. If you are creative and would like to help work on this project, contact Roger, KTRXU, or myself. We plan to have most of the club officers working in the booth this year so it should be a great deal of fun for all.



I think we have a real good program this year and we will continue to offer plenty of club activities and family events for everyone to enjoy. If you are not sure what is coming up or need transportation, etc. give one of the board members a call. We will be more than happy to help you out. Remember, we are only a phone call away.



Best regards and I look forward to seeing you at the next club meeting.

AMATEUR RADIO RELAY GROUP, INC.
P. O. Box 10031 Portland, Oregon 97210

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Full: \$20. with autopatch
Associate: \$12. no autopatch
Family: add \$10. per member

Operating Repeaters on:

SOUTH SADDLE MOUNTAIN
147.32 (+ offset) (autopatch) (PDX,FGR)
449.225 (- offset)
CHANNEL 6 TV TOWER
147.04 (+ offset) (autopatch) (PDX,VAN)
449.325 (- offset)

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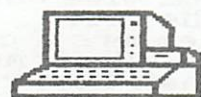
SUPPLY

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ADVENTURES INTO PACKET - PART II

BY VAN, KETBB AND JIM, AETW

As you recall last time our heroes had all the wires hooked up and were ready to see if this equipment would do what hams like best, communicate. Van's gear had arrived a bit sooner so he was raring to go. Getting ready for his first QSO was no big deal. After all he had already had his first QSO some years back when he first got his ticket. Still this was new territory and none of us want to look like a new novice.



Step 1.

Listen. Actually in the case of packet it is a lot of watching of the terminal screen. Van tuned his rig to 145.010 MHz (a recognized packet frequency) and listened, oops, watched! He did not have to wait long. A string of characters came along that coincided with the lighting of the LEDs on his rig. The first packet had been received! A lot of what was being sent was coming out on the screen twice (or more). How come?

One of the causes is what is called peating. This is a process where an intervening station(s) receives and stores a packet and then retransmits it. Sort of like a regular repeater, except it is all simplex and sent serially not concurrently. Well, he was hearing (seeing?) the transmission of the originating station and that of a digipeater.

Well the plain language portion was easy enough to recognize, but a lot of the prefixes took some getting used to, but no worse than the Q signals. This watching soon began to lose its enchantment; he still hadn't made a QSO yet, so...

Step II:



To be absolutely sure there would be a friendly face at the other end he contacted WB7BBG, Paul and made arrangements to contact him.

Now we digress slightly. Each terminal node controller (TNC) has an identifier. Hams have chosen an easy to build unique identifier, the owner's call. For hams with more than one TNC (i.e. for bulletin boards or for digipeaters) the call is followed by a "-1", "-2", etc. So when you send you are always identified to the world at large by your call and when you listen, your TNC is always on the lookout for someone sending its ID, your call!

To establish contact with a particular station, you place yourself in the "command" mode and enter via the computer keyboard "connect" and the call of the station you want. Now the PAKRATT will cause your rig to send the connect

message as many as 15 times or until the station you want responds. Default for this count is 10, 6 seems to work fine for the conditions we have encountered so far and for those of you who are real persistent, a 0 on the retry command will try forever. When you are successful you get the message that you are connected. Back to Van and Paul.

Setting the TNC into the "command" mode Van entered the keyboard "CONNECT WB7BBG". His rig sent out the command packet and quickly received ">>>CONNECTED WB7BBG". At this point the normal chit-chat that occurs in one's first QSO transpired. The message was entered on keyboards and displayed at each end of the QSO on the respective terminal screens. Well, it almost worked that smoothly the first time, only a few difficulties that we won't talk about stood in the way of this now normal



"connect" sequence. Van now had his first QSO under his belt. Jim's equipment arrived and was wired in; he now used Van the "expert" as the

sympathetic TNC for a first QSO on 2M. Connection was soon made and Packet Radio had two new pioneers.

To be continued...



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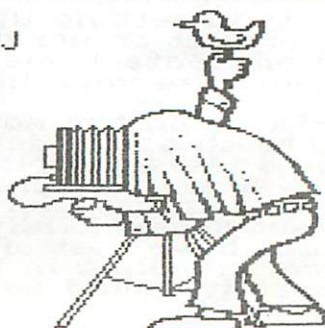
JANET BELL WB7FJC 648-8621 DAYS

WARREN KNIGHT, N7BIJ

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224-4410

1822 S. W. MADISON
PORTLAND, OREGON 97205

1987 OTVARC APRIL FOOL'S CONTEST RULES

- DATE AND TIME: Thursday, April 9, 1987 from 7:30 - 9:00 p.m. (Local Time)
- FREQUENCY: 28300 to 28500 KHz (NEW 10 METER Novice/Technician SSB subband)
Start working on the "lower end" (28300 KHz) and move up from there.

• OBJECTIVE: To work as many stations as possible during the contest period and in so doing promote the spirit of friendly competition and sportsmanship. To improve our proficiency in making SSB contacts and to give all participants a chance to meet fellow club members and others in the amateur community. TO WELCOME ALL NOVICE AND TECHNICIAN OPERATORS TO THEIR NEW ENHANCED OPERATING PRIVILEGES. New and inexperienced operators are especially invited to participate.

• EXCHANGE: Call, Name and City (example: KB7AFJ/N, Joanne, Tigard)

• SCORING: All contacts with Novice stations (signing /N "stroke N") or Technician stations (signing /T "stroke T") count as two (2) points each. All other contacts count as one (1) point. Each different call sign prefix (i.e. W7, K7, WA7, WB7, KA7, KB7, etc.) counts as a multiplier.

For example, during the contest you work five Novice/Technician stations and fifteen others. Further, you compile ten call sign prefixes. Your total claimed score would be 250 points, calculated as follows:

	5 contacts x 2 points per contact = 10 points	
plus	15 contacts x 1 point per contact = <u>15 points</u>	
		= 25 QSO points
times	10 call sign prefixes	= 250 points

• LOGS: Use your choice of log or the form provided on the opposite side. Logs are due NO LATER than Wednesday, May 13, 1987. Send logs to OTVARC April Fool's Contest, P. O. Box 25545, Portland, Oregon 97225-0545.

Logs may be received at the May club meeting. To count, YOUR LOG MUST SHOW YOUR CALL, NAME, CONTACT TIMES, EXCHANGE AND CLAIMED SCORE. The Contest Committee will verify your score, however, will not calculate your claim if not provided.

The Contest Committee will be the sole judge in the interpretation of any rules or disputes in this contest.

• PRIZES: First Place winner with highest claimed score will receive a special engraved plaque, to be presented at the June club meeting. All other participants will receive certificates in addition to recognition in the club Newsletter.

• COMMENTS: Your comments are always welcome. Please direct them to the Contest Committee.

• NEXT CONTEST: Rusty Key Contest (15 Meter CW) scheduled for September 10, 1987

QSO NO.	TIME ON	STATION WORKED	NAME	LOCATION	TIME OFF
1					
2					
3					
4					
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50					

STATION CALL USED _____

TOTAL QSO POINTS _____

X MULTIPLIERS _____

= CLAIMED SCORE _____

STANLEY HAMM-TOWERS

PART V

BY STAN, W7NI

Crank-up telescoping pipe masts are another popular way to support ham antennas. These tend to be bracketed to a building or freestanding and can extend as high as 55 feet or so. A medium sized triband beam is about the maximum load for the top. Usually, the rotator is at the bottom which is convenient in case of failure.

With the rotator at the bottom, the entire mast is rotated and all antennas attached to it at all levels rotate with it.

There is a special type of telescoping pipe mast that works like a hydraulic cylinder. These are made right here in Oregon. There is an oil reservoir to hold the hydraulic fluid when the tower is down and an optional limit switch that turns off the oil pump when the tower is fully extended. One ham I know had one of these towers and chose not to

purchase the optional limit switch. Instead, he would listen for the pump motor to lug down when the tower was fully raised and then switch it off manually.

Unfortunately, one day while the tower was being

"pumped up," he put on the head phones to listen to the band. It was not so hot, in fact, that he forgot about the tower and did not hear the lugged down pump. It continued to pump and it heated the oil. One of the rubber oil hoses broke and there was a major oil spill in his back yard! What a mess! Fifty quarts of transmission fluid had to be cleaned up and replaced.

After that problem was fixed, some leaks in the "o" rings developed and the mast had to be taken down and rebuilt. When it worked, it was great, but the maintenance problems were unique and sometimes difficult to solve.

Probably the best kind of crank-up ever put on the market is made by Tri Ex and is called the Sky Needle. The largest Sky Needles will telescope to about 90 feet, hold several large monoband yagis and cost about \$15,000. They require no guy wires and have the top 20 or so feet rotating. This allows some limited stacking and phasing of antennas rotating together. Unfortunately, this system is well beyond the financial means of nearly all hams. I do know two hams in the greater Portland area that own Sky Needles. Neither has ever had a problem as far as I know.



Somewhere in all of this grief about crank-ups and tilt-overs must be some good news. The good news is that companies like Rohn still make

good, reliable towers like models 25 and 45 that are economical and not hard to install. Of course, these aren't crank-ups and that's their best feature.

I am constantly asked how much 25 or 45 can be safely put up without guy wires. The answer depends upon many variables such as:

1. What type of antennas are you going to put on top of it?
2. How strong do you expect the wind to blow?
3. How much "safety margin" do you want to build into it?

Rohn provides some information to help you. For example, there are free printed sheets available from Rohn dealers that provide a table of specific non-guyed tower configurations. The table shows the maximum height with no antennas on the tower and again with two square feet of antennas on the tower. Two square feet is a very small load. A HyGain TH6DX is over eight square feet. The tables also show safe heights with a couple of different safety factors. The problem is that I have never seen a single installation that fits the tables.

I believe Rohn has a very good reason for providing information this way. They know no one installs towers like the table suggests. In case of failure, Rohn can take the position that "their advice was not followed to the letter" and therefore they are not responsible. Let's face it, in our lawsuit-happy society they have to behave in this way for their own protection!



Rohn provides other data, too, on guy anchors, guy materials, concrete base construction and just where to place anchors and guys for a safe installation. Again, the data rarely matches a real situation so the typical ham needs more help to ensure a safe installation.

Rohn can help again, but this time it's not free. They have consulting engineers who can design your system for you for a price. Long ago, I asked about how much that might cost. The answer was so gross that I have developed a mental block about it. All I can remember is that I'll not bother to ask again.

If you have any close personal friends who are structural engineers, you might arrange to swap some labor...like, they design your tower and you remodel their house. Or, you can always ask someone who has had several towers standing for over 10 years how they did it.

FIELD DAY SITE COMMITTEE REPORT

Dear OTVARC Members:

March 24, 1987

In October, 1986, club President Greg Milnes, W7AGQ appointed the undersigned to investigate alternative sites to our present Field Day location. This appointment was as a direct result of discussions held at the September, 1986 regular club meeting in which the membership decided the committee should review and recommend three sites and report back to the club by April, 1987. What follows is that report of the Site Committee's findings.

On October 14 and November 18, 1986, the committee held two open "town hall" meetings to solicit input from the general membership. Several members did attend those meetings and provided the committee with suggestions for site review, as well as criteria for examining those sites. Based upon those two meetings, and further committee discussions, the committee then formulated its evaluation criteria using the following factors:

Distance from Beaverton	Camping Facilities	Accessible for Autos
Sanitary Facilities	Cooking Facilities	Use Restrictions
Trees/Technical Assistance	Terrain Conducive to RF	Proximity to Neighbors
Media Access/Public Exposure	"Red Tape" to Obtain Use	Cost of Facility
Proximity to Emergency Services	Location in Washington County	

Each characteristic was weighted equally, with no one limitation taking priority over another. Of major concern to the committee, however, is the proximity to neighbors, which could create bad will contrary to good amateur procedures.

The following sites were personally inspected by the Committee, based upon recommendations from committee and individual club members:

Cedar Hills Park	Champoeg State Park	Kennedy Park
Maiken Farm	Silver Falls State Park	WA6KLA Hilltop

Each committee member was provided a scoring sheet for each location, and instructed to independently grade each factor on a scale from 1 to 10. There was to be no collaboration on scoring between members, although aspects of each site's uniqueness would be discussed during each inspection. Committee members were encouraged to take notes in aid of their findings.

Following completion of all site inspections, scoring sheets were tallied by the Committee Chairman and anonymously presented to the committee in tabular form to eliminate any personal bias between each of the members. The committee agreed to accept the three highest average scores as the basis for its decision and further agreed that it would not disclose the actual scores, nor ranking of them to the general membership.

Accordingly, the Field Day Site Committee recommends the following sites for approval by the general membership at its May regular meeting (in alphabetical order):

Cedar Hills Park	Champoeg State Park	Maiken Farm
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To assist the membership with a qualitative guide to the sites, we provide a table listing the criteria mentioned above and relatively objective comments on each. The committee encourages those interested members to personally visit each of these recommended sites prior to the May meeting. Committee members will be available to answer questions about their recommendation.

The committee thanks the membership for allowing it the opportunity to research this important issue and to provide input towards the club's decision.

Respectfully submitted,

JEFF FREEDMAN, K7JF, Chairman
WARREN KNIGHT, N7BIJ, Member
PAUL LUCAS, WB6SHR, Member
DEE LYNCH, KA7NPN, Member
RANDY STIMSON, KZ7T, Member

<u>Criteria</u>	<u>Cedar Hills Park</u>	<u>Champoeg St Park</u>	<u>Maiken Farm</u>
Distance from Beaverton	In Beaverton	25 Miles	45 Miles
Camping Facilities	Tents at Most	Unlimited	Unlimited
Cooking Facilities	Covered Shelter No Running Water Park Bench Seating No Stove	Separate Building Running Water Seats 60 Stove	Separate Building Well Water Seats 30 Stove
Sanitary Facilities	Clean No Amenities	Clean Showers	Very Rough No Amenities
Trees/Technical Assistance	Many, 70 Ft.	Many, 40 Ft.	Many, 50 Ft.
Terrain Conducive to RF	Flat, High Noise	Flat, Low Noise	Trough, Low Noise
"Red Tape" to Obtain Use	Substantial	Reservation	Reservation
Cost of Facility Use	None	\$100 + \$1 per unit	None
Location in Washington County	Yes	No	No
Media Access/Public Exposure	Excellent	Limited	Poor
Proximity to Emergency Services	2 Miles	4 Miles	6 Miles
Use Restrictions	Some No Alcohol	Some Limited Alcohol	None No Restrictions
Accessible for Automobiles	Paved Roads/Lots	Paved Road/Lots	Mud Lane/Grass
Proximity to Neighbors	Within 200 Feet	None	None



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